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PATENT COOPERATION TREATY

From the	
INTERNATIONAL SEARCH	ING AUTHORITY

To: VBTCO AIBEL AS Forskargrånd 8, B 194 72226 Västerås Sweden		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)	
		Date of mailing (day/month/year)	2 0 -09- 2005
Applicant's or agent's file reference		FOR FURTHER AC	
B2004001WO			See paragraph 2 below
International application No. PCT/IB2005/000737	International filing data 22.03.2005	e (day/month/year)	Priority date (day/month/year) 22.03.2004
International Patent Classification (IPC) of G01L 5/04, B63B 27/30		cation and IPC	
Applicant VETCO AIBEL AS et al			
Box No. IV Lack of unity of Box No. V Reasoned statem	ent of opinion with regardinvention ment under Rule 43bis. I ations and explanations its cited in the international applications.	ard to novelty, inventive (a)(i) with regard to not supporting such statem	e step and industrial applicability velty, inventive step or industrial ment
International Preliminary Examining Authority other than this one to be IPI written opinions of this International S If this opinion is, as provided above, or	Authority ("IPEA") exc EA and the chosen IPE. Searching Authority wi considered to be a writt appropriate, with amen	tept that this does not ap A has notified the Internal Il not be so considered. En opinion of the IPEA,	ational Bureau under Rule 66.1 bis(b) that the applicant is invited to submit to the ration of 3 months from the date of mailing

3. For further details, see notes to Form PCT/ISA/220.

For further opinions, see Form PCT/ISA/220.

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Form PCT/ISA/237 (cover sheet) (April 2005)

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IB2005/000737

Be	x No. I	Basis of this opinion	
1.		egard to the language, this opinion the international application in the a translation of the international a purposes of international search (pplication into, which is the language of a translation furnished for the
2.	a. type	egard to any nucleotide and/or and invention, this opinion has been a of material a sequence listing table(s) related to the sequence at of material	
		on paper in electronic form	
	c. time	=	l application as filed. ational application in electronic form. is Authority for the purposes of search.
3.		filed or furnished, the required	re than one version or copy of a sequence listing and/or table relating thereto has been statements that the information in the subsequent or additional copies is identical to a does not go beyond the application as filed, as appropriate, were furnished.
4.	Addition	onal comments:	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IB2005/000737

Box No. V Reasoned statement und applicability; citations a		er Rule 436/s.1(a)(I) with regard to novelty, inventive step or industrial ad explanations supporting such statement	
:			
y (N)	Claims	1-20	YES
	Claims		NO
Inventive step (IS)	Claims	1-20	YES
	Claims		NO
ial applicability (IA)	Claims	1-20	YES
	Claims		NO
	applicability; citation y (N) ve step (IS)	applicability; citations and explant y (N) Claims Claims ve step (IS) Claims Claims ial applicability (IA) Claims	applicability; citations and explanations supporting such statement y (N) Claims 1-20 Claims ve step (IS) Claims 1-20 Claims ial applicability (IA) Claims 1-20

2. Citations and explanations:

Documents cited in the International Search Report:

D1: US 4174628 D2: US 3722268 D3: GB 1241776 D4: US 3810081

The cited documents represent the general state of the art.

The invention defined in claims 1- 20 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method of monitoring and/or controlling a load on a slender, tensioned elongated element extending from a subsea wellhead element to a surface vessel where the bending moment and/or declination of the tensioned elongated element is estimated from measurements of the structural behaviour of the wellhead element or to the claimed device for monitoring and/or controlling a load on a slender, tensioned elongated element extending from a subsea wellhead element to a surface vessel having means for estimating the bending moment and/or declination of the tensioned elongated element upon measurements from means measuring the structural behaviour of the wellhead element. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1- 20 is novel and is considered to involve an inventive step. The invention is industrially applicable.